

09807750

Welcome to STN International! Enter x:x

LOGINID:sssptal202sxq

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Jun 03 New e-mail delivery for search results now available  
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
NEWS 15 Dec 04 CSA files on STN  
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 17 Dec 17 TOXCENTER enhanced with additional content  
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 25 Feb 26 PCTFULL now contains images  
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 28 Mar 20 EVENTLINE will be removed from STN  
NEWS 29 Mar 24 PATDPAFULL now available on STN  
NEWS 30 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 31 Apr 11 Display formats in DGENE enhanced  
NEWS 32 Apr 14 MEDLINE Reload  
NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS  
NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 36 Apr 28 RDISCLOSURE now available on STN  
NEWS 37 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

5/12/2003

09807750

MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:10:37 ON 12 MAY 2003

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 14:10:45 ON 12 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 May 2003 VOL 138 ISS 20

FILE LAST UPDATED: 11 May 2003 (20030511/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s zinc ixide

478767 ZINC

1 IXIDE

L1 0 ZINC IXIDE

(ZINC(W)IXIDE)

5/12/2003

09807750

=> s zinc oxide  
478767 ZINC  
1376437 OXIDE  
L2 67132 ZINC OXIDE  
(ZINC(W) OXIDE)

=> s l2 and micro particle  
114638 MICRO  
566089 PARTICLE  
250 MICRO PARTICLE  
(MICRO(W) PARTICLE)  
L3 2 L2 AND MICRO PARTICLE

=> d l3 1-2 ibib hitstr abs

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:326862 CAPLUS  
DOCUMENT NUMBER: 120:326862  
TITLE: Manufacture of metal oxide micro-particles  
INVENTOR(S): Torimoto, Yoshiaki  
PATENT ASSIGNEE(S): Kao Corp, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05319808	A2	19931203	JP 1992-154471	19920520

PRIORITY APPLN. INFO.: JP 1992-154471 19920520  
AB A metal salt is heated and the vapors are directed into a reaction chamber where the vapors are decompd. to form metal oxide nucleus. The metal oxide nucleus are then coated with .gtoreq.1 layer of metal oxides to produce the title particles. The coated particles are useful in electronic materials , catalyst, cosmetics, and paints.

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:311027 CAPLUS  
DOCUMENT NUMBER: 120:311027  
TITLE: Lamp reflectors in art museums  
INVENTOR(S): Maeda, Junichiro; Senaba, Susumu; Shimomura, Susumu  
PATENT ASSIGNEE(S): Yokohama Kiko Kk, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06012906	A2	19940121	JP 1992-57976	19920316

PRIORITY APPLN. INFO.: JP 1992-57976 19920316  
AB The reflector is coated with an interference multilayer for absorbing UV

5/12/2003

09807750

and IR lights in < 385nm and > 780nm, resp. The reflector gives a UV- and IR-suppressed illumination having an improved color rendering.

=>

=> s l2 and particle

566089 PARTICLE

L4 4435 L2 AND PARTICLE

=> s l4 and silicilic anhydride

3 SILICILIC

179988 ANHYDRIDE

0 SILICILIC ANHYDRIDE

(SILICILIC(W)ANHYDRIDE)

L5 0 L4 AND SILICILIC ANHYDRIDE

=> s l4 silicone

MISSING OPERATOR L4 SILICONE

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l4 and silicone

84132 SILICONE

L6 187 L4 AND SILICONE

=> s l6 and silicic anhydride

24964 SILICIC

179988 ANHYDRIDE

149 SILICIC ANHYDRIDE

(SILICIC(W)ANHYDRIDE)

L7 0 L6 AND SILICIC ANHYDRIDE

=> s l6 and powder

429744 POWDER

L8 57 L6 AND POWDER

=> s l8 and oil or water

650697 OIL

2020095 WATER

L9 2020108 L8 AND OIL OR WATER

=> s l8 and dispersing agent?

49224 DISPERSING

1 AGENT?

0 DISPERSING AGENT?

(DISPERSING(W)AGENT?)

L10 0 L8 AND DISPERSING AGENT?

=> s l8 and dispersing agent?

49224 DISPERSING

1259827 AGENT?

24677 DISPERSING AGENT?

(DISPERSING(W)AGENT?)

L11 3 L8 AND DISPERSING AGENT?

=> d l11 1-3 ibib hitstr abs

5/12/2003

09807750

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:612039 CAPLUS

DOCUMENT NUMBER: 133:227574

TITLE: Inorganic **powder** compositions containing polyether-modified silicones and cosmetics containing them

INVENTOR(S): Nakano, Akihiro

PATENT ASSIGNEE(S): Jo Cosmetics Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239137	A2	20000905	JP 1999-42092	19990219
PRIORITY APPLN. INFO.:			JP 1999-42092	19990219

AB The compns. contain inorg. **powder** and  $\text{Me}_3\text{SiO}(\text{SiMe}_2\text{O})_m[\text{SiMe}(\text{CH}_2)_a\text{O}(\text{C}_2\text{H}_4\text{O})_b(\text{C}_3\text{H}_6\text{O})_c\text{R}]_n\text{SiMe}_3$  (I; a = 1-5; b = 1-6; c = 0-10; m = 40-500; n = 1-60; R = H, C1-5 alkyl). Also claimed are skin color-controlling agents, spot and freckle-covering agents, and sunscreens contg. the compns. The compns. are storage stable, i.e. resistant to agglomeration, pptn. of **powder**, and discoloration. TTO-S 2 ( $\text{TiO}_2$  fine **particle**), X 22-4444 (m = 50-70, n = 2-5, a = 3, b = 2-5, c = 0 in I), and KF 995 (decamethylcyclopentasiloxane) were mixed to give transparent **powder** with viscosity 256 mPa.cntdot.s. Viscosity of the **powder** was slightly changed after 6 mo.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:803793 CAPLUS

DOCUMENT NUMBER: 128:39405

TITLE: Fine ultraviolet screening particles, process for preparing the same, and cosmetic preparation

INVENTOR(S): Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi

PATENT ASSIGNEE(S): Kao Corporation, Japan; Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745097	A1	19971204	WO 1997-JP1788	19970527
W: AU, CN, JP, US, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9727933	A1	19980105	AU 1997-27933	19970527
CN 1226157	A	19990818	CN 1997-196847	19970527
EP 953336	A1	19991103	EP 1997-922194	19970527

5/12/2003

09807750

R: DE, FR, GB

JP 3391802 B2 20030331 JP 1997-542023 19970527

US 6197282 B1 20010306 US 1998-194199 19981120

PRIORITY APPLN. INFO.:

JP 1996-160541 A 19960530

WO 1997-JP1788 W 19970527

AB The invention relates to a process for prepg. a dispersion of fine UV screening **particle**, characterized by conducting milling and/or high-pressure dispersion of a mixed starting soln. comprising at least one type of inorg. particles having an UV screening capability, at least one **silicone** dispersant selected among modified and reactive silicones, and a **silicone** oil; fine UV screening particles prepd. by the above process or a dispersion thereof; a process for prepg. a **powder** of fine UV screening particles; and a cosmetic prepn. comprising a dispersion or **powder** of fine UV screening particles. The above dispersion is characterized by comprising fine UV screening particles comprising at least one type of inorg. particles having an UV screening capability, the surfaces of the particles being coated with at least one **silicone** dispersant selected among modified and reactive silicones, and at least part of the particles being dispersed in a **silicone** oil in the form of an agglomerate thereof.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:494492 CAPLUS

DOCUMENT NUMBER: 115:94492

TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings

INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezei, Magdolna

PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.

SOURCE: Hung. Teljes, 12 pp.

CODEN: HUXXB

DOCUMENT TYPE: Patent

LANGUAGE: Hungarian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO<sub>2</sub>, or other oxides) 14-50, filler (e.g., CaCO<sub>3</sub> or milled dolomite) 30-70, inorg. or org. acid or anhydride or acetic NH<sub>4</sub> salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)<sub>3</sub>, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical **powder** contained K Me **silicone**-contg. K silicate ( **silicone** content 12.5%) 17.7, lithopone 45.3, CaCO<sub>3</sub> 32.2, phthalic acid 1.5, and Al(OH)<sub>3</sub> 3.3%.

09807750

=>

=> s 12 and particle

566089 PARTICLE

L4 4435 L2 AND PARTICLE

=> s 14 and silicilic anhydride

3 SILICILIC

179988 ANHYDRIDE

0 SILICILIC ANHYDRIDE

(SILICILIC(W) ANHYDRIDE)

L5 0 L4 AND SILICILIC ANHYDRIDE

=> s 14 silicone

MISSING OPERATOR L4 SILICONE

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 14 and silicone

84132 SILICONE

L6 187 L4 AND SILICONE

=> s 16 and silicic anhydride

24964 SILICIC

179988 ANHYDRIDE

149 SILICIC ANHYDRIDE

(SILICIC(W) ANHYDRIDE)

L7 0 L6 AND SILICIC ANHYDRIDE

=> s 16 and powder

429744 POWDER

L8 57 L6 AND POWDER

=> s 18 and oil or water

650697 OIL

2020095 WATER

L9 2020108 L8 AND OIL OR WATER

=> s 18 and dispersing agent?

49224 DISPERSING

1 AGENT?

0 DISPERSING AGENT?

(DISPERSING(W) AGENT?)

L10 0 L8 AND DISPERSING AGENT?

=> s 18 and dispersing agent?

49224 DISPERSING

1259827 AGENT?

24677 DISPERSING AGENT?

(DISPERSING(W) AGENT?)

L11 3 L8 AND DISPERSING AGENT?

=> d l11 1-3 ibib hitstr abs

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:612039 CAPLUS

DOCUMENT NUMBER: 133:227574

5/12/2003

09807750

TITLE: Inorganic **powder** compositions containing  
polyether-modified silicones and cosmetics containing  
them  
INVENTOR(S): Nakano, Akihiro  
PATENT ASSIGNEE(S): Jo Cosmetics Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239137	A2	20000905	JP 1999-42092	19990219
PRIORITY APPLN. INFO.:			JP 1999-42092	19990219

AB The compns. contain inorg. **powder** and  
 $\text{Me}_3\text{SiO}(\text{SiMe}_2\text{O})_m[\text{SiMe}[(\text{CH}_2)_a\text{O}(\text{C}_2\text{H}_4\text{O})_b(\text{C}_3\text{H}_6\text{O})_c\text{R}]\text{O}]_n\text{SiMe}_3$  (I;  $a = 1-5$ ;  $b = 1-6$ ;  $c = 0-10$ ;  $m = 40-500$ ;  $n = 1-60$ ;  $R = \text{H}$ ,  $\text{C}_1-5$  alkyl). Also claimed are  
skin color-controlling agents, spot and freckle-covering agents, and  
sunscreens contg. the compns. The compns. are storage stable, i.e.  
resistant to agglomeration, pptn. of **powder**, and discoloration.  
TTO-S 2 ( $\text{TiO}_2$  fine **particle**), X 22-4444 ( $m = 50-70$ ,  $n = 2-5$ ,  $a = 3$ ,  $b = 2-5$ ,  $c = 0$  in I), and KF 995 (decamethylcyclopentasiloxane) were  
mixed to give transparent **powder** with viscosity 256  
mPa.cntdot.s. Viscosity of the **powder** was slightly changed  
after 6 mo.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:803793 CAPLUS  
DOCUMENT NUMBER: 128:39405  
TITLE: Fine ultraviolet screening particles, process for  
preparing the same, and cosmetic preparation  
INVENTOR(S): Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu;  
Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro;  
Sugawara, Satoshi  
PATENT ASSIGNEE(S): Kao Corporation, Japan; Oshima, Kentaro; Kozaki,  
Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto,  
Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi  
SOURCE: PCT Int. Appl., 81 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745097	A1	19971204	WO 1997-JP1788	19970527
W: AU, CN, JP, US, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9727933	A1	19980105	AU 1997-27933	19970527
CN 1226157	A	19990818	CN 1997-196847	19970527
EP 953336	A1	19991103	EP 1997-922194	19970527
R: DE, FR, GB				
JP 3391802	B2	20030331	JP 1997-542023	19970527
US 6197282	B1	20010306	US 1998-194199	19981120

5/12/2003



09807750

PRIORITY APPLN. INFO.:

JP 1996-160541 A 19960530  
WO 1997-JP1788 W 19970527

AB The invention relates to a process for prepg. a dispersion of fine UV screening **particle**, characterized by conducting milling and/or high-pressure dispersion of a mixed starting soln. comprising at least one type of inorg. particles having an UV screening capability, at least one **silicone** dispersant selected among modified and reactive silicones, and a **silicone** oil; fine UV screening particles prepd. by the above process or a dispersion thereof; a process for prepg. a **powder** of fine UV screening particles; and a cosmetic prepn. comprising a dispersion or **powder** of fine UV screening particles. The above dispersion is characterized by comprising fine UV screening particles comprising at least one type of inorg. particles having an UV screening capability, the surfaces of the particles being coated with at least one **silicone** dispersant selected among modified and reactive silicones, and at least part of the particles being dispersed in a **silicone** oil in the form of an agglomerate thereof.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:494492 CAPLUS

DOCUMENT NUMBER: 115:94492

TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings

INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezdei, Magdolna

PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.

SOURCE: Hung. Teljes, 12 pp.

CODEN: HUXXB

DOCUMENT TYPE: Patent

LANGUAGE: Hungarian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO<sub>2</sub>, or other oxides) 14-50, filler (e.g., CaCO<sub>3</sub> or milled dolomite) 30-70, inorg. or org. acid or anhydride or acetic NH<sub>4</sub> salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)<sub>3</sub>, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical **powder** contained K Me **silicone**-contg. K silicate (**silicone** content 12.5%) 17.7, lithopone 45.3, CaCO<sub>3</sub> 32.2, phthalic acid 1.5, and Al(OH)<sub>3</sub> 3.3%.

=> d his

(FILE 'HOME' ENTERED AT 14:10:37 ON 12 MAY 2003)

FILE 'CAPLUS' ENTERED AT 14:10:45 ON 12 MAY 2003

L1 0 S ZINC IXIDE

L2 67132 S ZINC OXIDE

5/12/2003

09807750

L3 2 S L2 AND MICRO PARTICLE  
L4 4435 S L2 AND PARTICLE  
L5 0 S L4 AND SILICILIC ANHYDRIDE  
L6 187 S L4 AND SILICONE  
L7 0 S L6 AND SILICIC ANHYDRIDE  
L8 57 S L6 AND POWDER  
L9 2020108 S L8 AND OIL OR WATER  
L10 0 S L8 AND DISPERSING AGENT?  
L11 3 S L8 AND DISPERSING AGENT?

=> s 14 and silicone

84132 SILICONE

L12 187 L4 AND SILICONE

=> s 112 and dispersing agent

49224 DISPERSING

640474 AGENT

10722 DISPERSING AGENT

(DISPERSING(W)AGENT)

L13 7 L12 AND DISPERSING AGENT

=> d 113 1-7 ibib hitstr abs

L13 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:237895 CAPLUS

DOCUMENT NUMBER: 136:266902

TITLE: Manufacture of borosilicate granulate for the  
preparation of vitreous or vitro-crystalline articles

INVENTOR(S): Del Rio Soto, Jose Luis

PATENT ASSIGNEE(S): Esmalglass, S. A., Spain

SOURCE: Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1190993	A2	20020327	EP 2000-500226	20001102
EP 1190993	A3	20020403		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
ES 2170009	A1	20020716	ES 2000-2283	20000921
WO 2002024606	A1	20020328	WO 2001-ES354	20010919
W: AU, BR, CA, CN, CO, EC, ID, JP, MX, PL, RU, TR, US				
AU 2001089955	A5	20020402	AU 2001-89955	20010919
PRIORITY APPLN. INFO.:				
			ES 2000-2283	A 20000921
			WO 2001-ES354	W 20010919

AB Base material for the manufg. of baked vitreous or vitro-cryst. pieces is a granulated material with granules having a **particle** size diam. of .ltoreq.2000 .mu.m, and comprises 60-99.89 wt.% of a first component selected among a frit compn., an enamel compn., glass, or mixts. thereof, 0.1-5 wt.% of an org. binder an (esp. acrylic acid ester copolymer) that has a decompn. temp. lower than the end of sintering temp. of the base material, 0.01-20 wt.% of a **dispersing agent**, and 0.01-15 wt.% of a dye. A humidity content of formed granules is

5/12/2003

.ltoreq.3%. The binder is selected from synthetic plastic aq. dispersions of vinyl polymers, acrylic and/or styrene polymers and derivs. thereof, synthetic resins, natural resins, polysaccharides, polyvinyl alcs., waxes, polyethylene glycols, polypropylene glycols, silicones or **silicone** derivs., alkyl resins, cellulose derivs., and combinations thereof. The manuf. includes (a) prepg. a first mixt. by mixing the frit, enamel, and glass components, (b) adding the binder, (c) wet grinding, and (d) granulating.

L13 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:94456 CAPLUS

DOCUMENT NUMBER: 136:136373

TITLE: Transparent polysiloxane topcoat compositions containing inorganic UV absorber and having high durability

INVENTOR(S): Fukiage, Masahiro

PATENT ASSIGNEE(S): Matsushita Electric Works, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002036442	A2	20020205	JP 2000-220552	20000721
PRIORITY APPLN. INFO.:			JP 2000-220552	20000721
AB The title compns., useful for roof tile, exterior wall or interior wall coating, contain transparent polysiloxane, e.g., <b>silicone</b> resin from hydrolytic polymn. of organosilanes or epoxy or acrylic-modified polysiloxane, and inorg. UV absorber having <b>particle</b> size 0.01-0.5 .mu.m, e.g, <b>zinc oxide</b> .				

L13 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:468049 CAPLUS

DOCUMENT NUMBER: 133:94299

TITLE: Dispersions containing **zinc oxide** ultrafine particles and **silicone** oils for UV-shielding cosmetics, and manufacture thereof

INVENTOR(S): Kono, Kinuyo

PATENT ASSIGNEE(S): Hakusui Chem Industry, Ltd., Japan; Ginax K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000191490	A2	20000711	JP 1999-181457	19990628
PRIORITY APPLN. INFO.:			JP 1998-302827	A 19981023
AB The invention relates to a dispersion contg. <b>zinc oxide</b> ultrafine particles having an av. <b>particle</b> size of 0.001-0.2 .mu.m, <b>dispersing agent</b> , and <b>silicone</b> oil as dispersion medium, providing good and stable dispersibility, suitable for				

use in a UV-shielding cosmetic. A dispersion was prepd. from **zinc oxide particle** 45 Me hydrogen polysiloxane 4, polyoxyethylene-methylpolysiloxane **dispersing agent** 7, decamethylcyclopentasiloxane dispersion medium 44 %, and combined with other ingredients to obtain a sunscreen cream.

L13 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:468048 CAPLUS

DOCUMENT NUMBER: 133:94298

TITLE: Manufacture of dispersions containing **zinc oxide** ultrafine particles and **silicone** oils for UV-shielding cosmetics

INVENTOR(S): Kono, Kinuyo

PATENT ASSIGNEE(S): Hakusui Chem Industry, Ltd., Japan; Ginas K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000191489	A2	20000711	JP 1998-373571	19981228
PRIORITY APPLN. INFO.:			JP 1998-373571	19981228

AB The invention relates to a process for making a dispersion contg. **zinc oxide** ultrafine particles, surface prepn. agent, **dispersing agent**, and **silicone** oil as dispersion medium, providing good and stable dispersibility, suitable for use in a UV-shielding cosmetic, wherein the process includes wet-type jet milling of the mixt. of **zinc oxide** particles and **silicone** oil at 61-250 MPa and/or 180-350 m/s. A dispersion was prepd. from **zinc oxide particle** 45, Me hydrogen polysiloxane surface prepn. agent 4, polyoxyethylene-methylpolysiloxane **dispersing agent** 7, decamethylcyclopentasiloxane dispersion medium 44 %.

L13 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:520534 CAPLUS

DOCUMENT NUMBER: 125:144863

TITLE: Manufacture of semiconductive **silicone** rubber rolls with stable electric resistance in semiconductive areas

INVENTOR(S): Nakamura, Tsutomu; Hirabayashi, Sadao

PATENT ASSIGNEE(S): Shinetsu Chem Ind Co, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08157724	A2	19960618	JP 1994-331175	19941208
PRIORITY APPLN. INFO.:			JP 1994-331175	19941208

AB The title manuf. contain formation of roll-shaped semiconductive

**silicone** layers by compression molding and vulcanizing compns. contg. (A) organopolysiloxanes  $\text{RSiO}(4-n)/2$  [R = same or different (substituted) monovalent hydrocarbon;  $n = 1.98-2.02$ ] 100, (B) elec. conductors 3-300, (C) **silicone** elastomer microspheres with av. **particle** diam. 0.1-100  $\mu\text{m}$  5-200, and (D) hardeners 0.1-5 parts on metallic cores at inner pressure .ltoreq.70 kg/cm<sup>2</sup>. Thus, a siloxane comprising units of SiMe<sub>2</sub>O 99.825, methylvinylsiloxane 0.15, and dimethylvinylsiloxane 0.025 mol.% 100, diphenylsilanediol ( **dispersing agent**) 3, silanol-terminated dimethylpolysiloxane with d.p. 10 (**dispersing agent**) 4, and SiO<sub>2</sub> 30 parts were kneaded at 150.degree. to give a base compd., 100 parts of which was blended with acetylene black 12, X 52-874 ( **silicone** elastomer microsphere) 50, and dicumyl peroxide 0.5 part, compression molded at inner pressure 10 kg/cm<sup>2</sup> to give a roll with diam. 20 mm, and primary and secondary vulcanized at 200.degree., resp., to give a product with elec. resistance 5 .times. 10<sup>5</sup> - 1 .times. 10<sup>6</sup> .OMEGA..

L13 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:494492 CAPLUS  
DOCUMENT NUMBER: 115:94492  
TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings  
INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezei, Magdolna  
PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.  
SOURCE: Hung. Teljes, 12 pp.  
CODEN: HUXXB  
DOCUMENT TYPE: Patent  
LANGUAGE: Hungarian  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO<sub>2</sub>, or other oxides) 14-50, filler (e.g., CaCO<sub>3</sub> or milled dolomite) 30-70, inorg. or org. acid or anhydride or acetic NH<sub>4</sub> salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)<sub>3</sub>, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical powder contained K Me **silicone**-contg. K silicate (**silicone** content 12.5%) 17.7, lithopone 45.3, CaCO<sub>3</sub> 32.2, phthalic acid 1.5, and Al(OH)<sub>3</sub> 3.3%.

L13 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1980:410353 CAPLUS  
DOCUMENT NUMBER: 93:10353  
TITLE: **Zinc oxide** dispersions by decomposition of zinc carbonate  
INVENTOR(S): Cheng, William J.; Guthrie, David B.  
PATENT ASSIGNEE(S): Petrolite Corp., USA  
SOURCE: U.S., 3 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent

09807750

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 4193769	A	19800318	US 1978-953983	19781023
PRIORITY APPLN. INFO.:			US 1978-953983	19781023
AB	ZnCO <sub>3</sub> is dispersed in a nonvolatile fluid contg. a sol. <b>dispersing agent</b> and the mixt. is heated to the ZnCO <sub>3</sub> -decompn. temp., 225-350.degree.. The <b>particle</b> size of the ZnO is .ltoreq.5 .mu.. The fluid is a mineral oil, paraffin oil, arom. oil, Ph <sub>2</sub> O fluids, <b>silicone</b> oil, polyglycol ether, or vegetable oil. The dispersant is a satd. or unsatd. fatty acid and derivs., sulfonic acids, etc. Thus, 23.3 g basic Zn carbonate was mixed at 190-200.degree. into a fluid contg. hydrocarbon oil 500 and naphthenic acids 128 g. The temp. was increased to 260-310.degree. and the pressure reduced slightly to remove the H <sub>2</sub> O. After cooling and centrifugation, there was only a trace of white solids at the bottom of the centrifuge tube.			

=>